Claims

- [c1] A side airbag for a supplemental restraint system of a vehicle, comprising:

 an inflatable bag having a shoulder-receiving portion and a thorax-receiving portion that extends from said shoulder-receiving portion;

 wherein said inflatable bag is moveable between a deflated configuration and an inflated configuration, said
 - thorax-receiving portion being sized thinner than said shoulder-receiving portion in a lateral direction when said inflatable bag is disposed in said inflated configuration.
- [c2] The side airbag of claim 1 wherein said thorax-receiving portion has an inboard side and an outboard side that is fastened to said inboard side substantially across said thorax-receiving portion.
- [c3] The side airbag of claim 1 wherein said thorax-receiving portion has an inboard side and an outboard side with at least one seam thread ably attaching said inboard side to said outboard side.
- [c4] The side airbag of claim 3 wherein said at least one seam

extends from a bottom portion of said thorax-receiving portion toward a top portion of said thorax-receiving portion.

- [c5] The side airbag of claim 3 wherein said at least one seam terminates at an end with a circular pattern stitching for preventing said inflatable bag from tearing at said end of said at least one seam.
- [c6] The side airbag of claim 3 wherein said inflatable bag is coupled to at least one of a vehicle seat and a vehicle door.
- [c7] A side airbag for a supplemental restraint system of a vehicle, comprising:
 an inflatable bag having a shoulder-receiving portion and a thorax-receiving portion that extends from said shoulder-receiving portion, said shoulder-receiving portion and said thorax-receiving portion each having an inboard side and an outboard side; and at least one tether coupled to said thorax-receiving portion and in connection between said inboard side and said outboard side of said thorax-receiving portion; wherein said inflatable bag is moveable between a deflated configuration and an inflated configuration, said thorax-receiving portion being sized thinner than said shoulder-receiving portion in a lateral direction when

said inflatable bag is disposed in said inflated configuration.

- [08] The side airbag of claim 7 wherein said at least one tether has an outboard end portion sewn to said outboard side of said thorax-receiving portion and an inboard end portion sewn to said inboard side of said thorax-receiving portion.
- [c9] The side airbag of claim 7 wherein said thorax-receiving portion has an upper portion and a lower portion, said upper portion having a first plurality of tethers in connection between said inboard side and said outboard side, said lower portion having a second plurality of tethers in connection between said inboard side and said outboard side.
- [c10] The side airbag of claim 9 wherein said first plurality of tethers are longer in length than said second plurality of tethers.
- [c11] The side airbag of claim 10 wherein said first plurality of tethers are more than twice the length of said first plurality of tethers.
- [c12] The side airbag of claim 9 wherein said first plurality of tethers are arranged in a row from a rear portion of said inflatable bag to a front portion of said inflatable bag.

- [c13] The side airbag of claim 9 wherein said second plurality of tethers are arranged in a row from a rear portion of said inflatable bag to a front portion of said inflatable bag.
- [c14] The side airbag of claim 7 wherein said inflatable bag is comprised of an inboard panel and an outboard panel that is coupled to said inboard panel.
- [c15] The side airbag of claim 7 wherein said inboard panel and said outboard panel are each comprised of a flexible cloth.
- [c16] The side airbag of claim 7 wherein said inflatable bag is coupled to at least one of a vehicle seat and a vehicle door.
- [c17] A supplemental restraint system for a vehicle, comprising:

an inflatable bag coupled to the vehicle, said inflatable bag having a shoulder-receiving portion and a thorax-receiving portion that extends from said shoulder-receiving portion;

an inflation device coupled to said inflatable bag for inflating said inflatable bag; and

a crash sensor coupled to said inflation device for detecting a vehicle impact event and actuating said inflation device to inflate said inflatable bag; wherein said inflatable bag is moveable between a deflated configuration and an inflated configuration, said thorax-receiving portion being sized thinner than said shoulder-receiving portion in a lateral direction when said inflatable bag is disposed in said inflated configuration.

- [c18] The side airbag of claim 17 wherein said thorax-re-ceiving portion has an inboard side and an outboard side that is fastened to said inboard side substantially across said thorax-receiving portion.
- [c19] The side airbag of claim 18 wherein said thorax-re-ceiving portion has an upper portion and a lower portion, said upper portion having a first plurality of tethers in connection between said inboard side and said outboard side, said lower portion having a second plurality of tethers in connection between said inboard side and said outboard side.
- [c20] The side airbag of claim 18 wherein said thorax-re-ceiving portion has an inboard side and an outboard side with at least one seam thread ably attaching said inboard side to said outboard side.